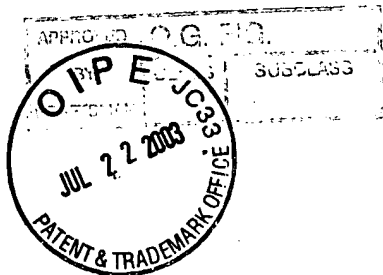


Title: Recombinant Proteolytic Trypsins, Active Site Mutants Thereof, and Methods of Making Same  
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Tryptase α	MSLSLLLLALP	VLASRAYAAP	APVQALQQAG	IVGGQEAPRS	KWPWQVSLRV	RDRYWMHFCG	(30)
Tryptase β-I	--N-----	-----G-	-----RV-	-----	-----	HGP-----	
Tryptase β-II	--N-----	-----G-	-----RV-	-----	-----	HGP-----	
						-----	A
Tryptase α	GSLIHPQWVL	TAAHCLGPDV	KDLATLRVQL	REQHLYYQDQ	LLPVSRIIVH	PQFYIIQTGA	(90)
Tryptase β-I	-----V-	-----A-	-----	-----	-----	-----TA-I-	
Tryptase β-II	-----V-	-----A-	-----	-----	-----	-----TA-I-	
						-----	B
Tryptase α	DIALLELEEP	VNISSRVHTV	MLPPASETFP	PGMPCWVTGW	GDVDNDEPLP	PPFPLKQVKV	(150)
Tryptase β-I	-----V-H-	-----T-	-----	-----	-----R-	-----	
Tryptase β-II	-----KV-H-	-----T-	-----	-----	-----R-	-----	
						-----	D
Tryptase α	PIMENHICDA	KYHLGAYTGD	DVRIIRDML	CAGNSQRDSC	KGDSGGPLVC	KVNGTWLQAG	(210)
Tryptase β-I	-----	-----V-	-----	-----TR-	-----Q-	-----	
Tryptase β-II	-----	-----V-	-----	-----TR-	-----Q-	-----	
						-----	1
Tryptase α	VVSWDEGCAQ	PNRPGIYTRV	TYYLDWIHHY	VPKPP	(SEQ. ID. NO: 52)		
Tryptase β-I	-----G-	-----	-----	-----	(see SEQ. ID. NO: 6)		
Tryptase β-II	-----G-	-----	-----	-----	(see SEQ. ID. NO: 9)		
						-----	2
						-----	3

FIG. 1



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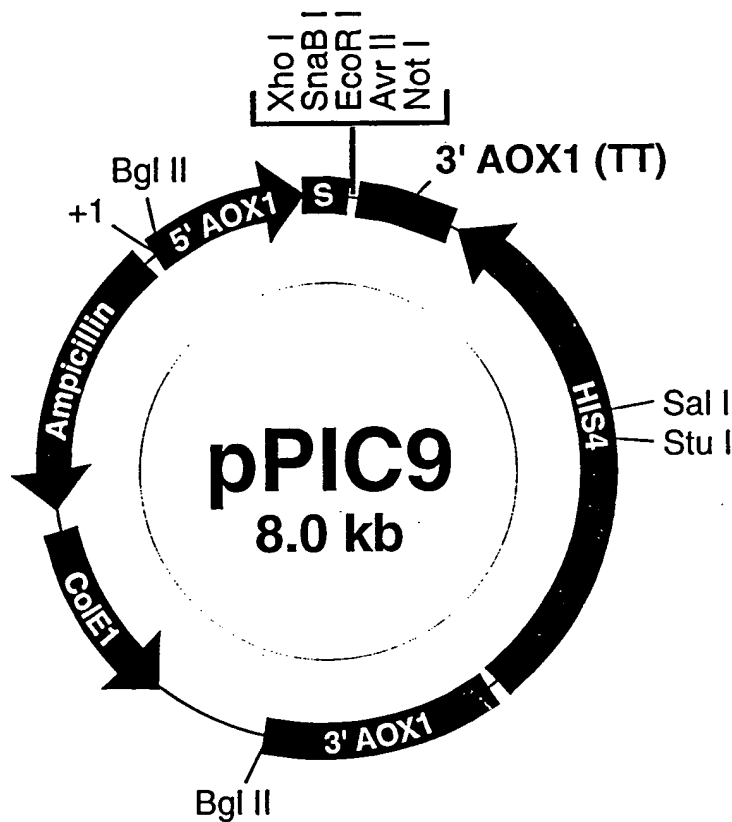
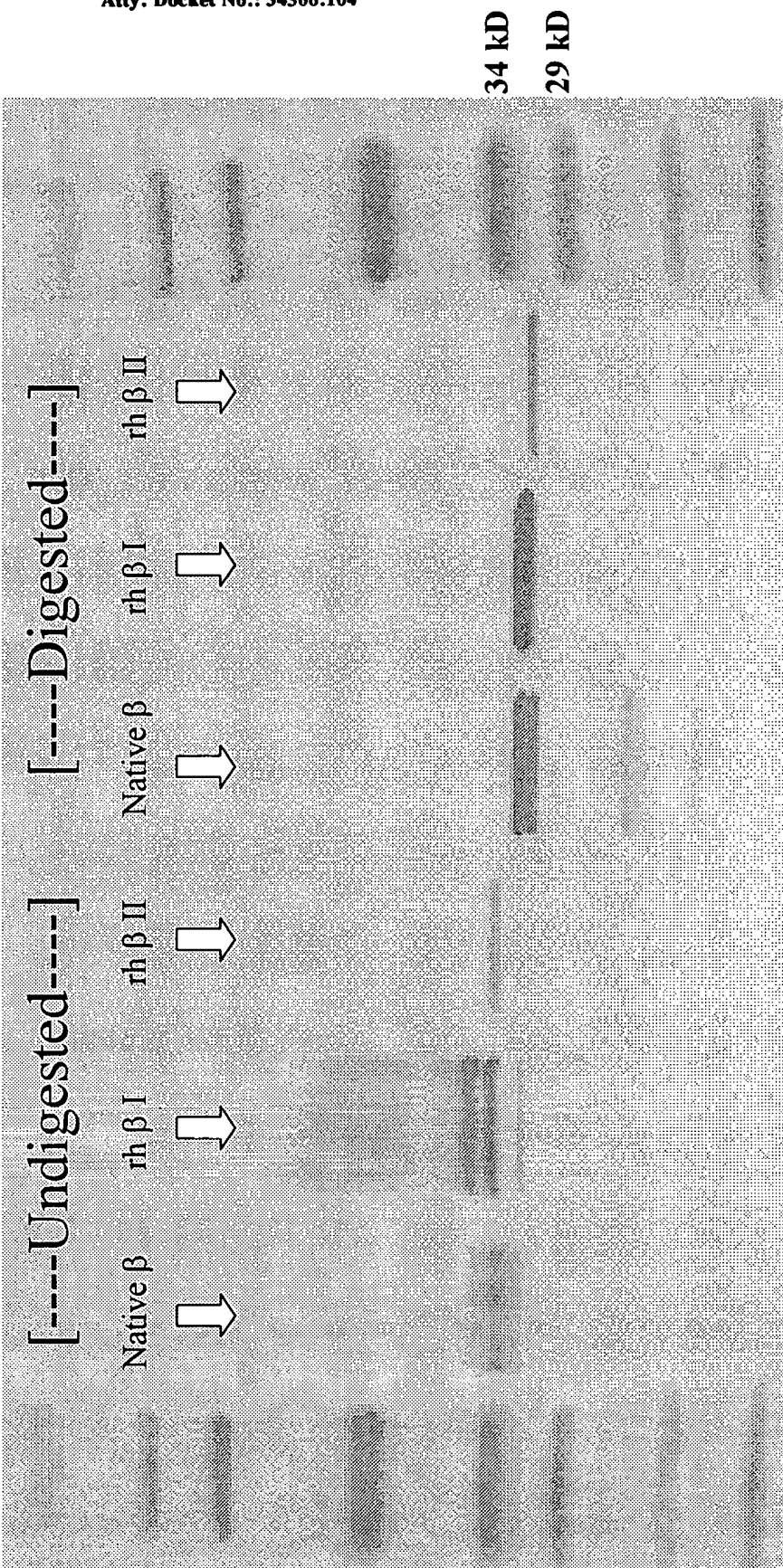


FIG. 2



Title: Recombinant Proteolytic Trypsins,  
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FIG. 3





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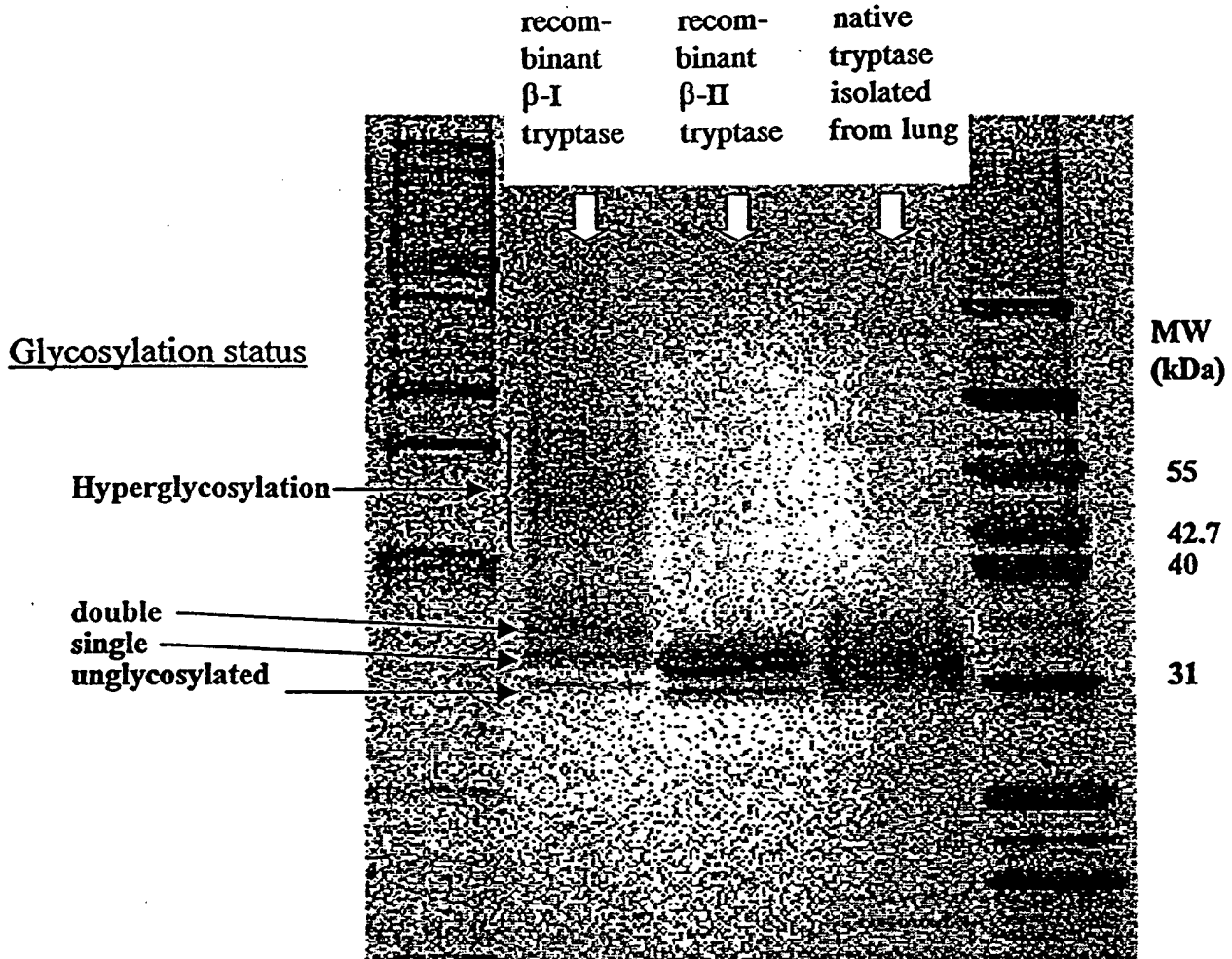
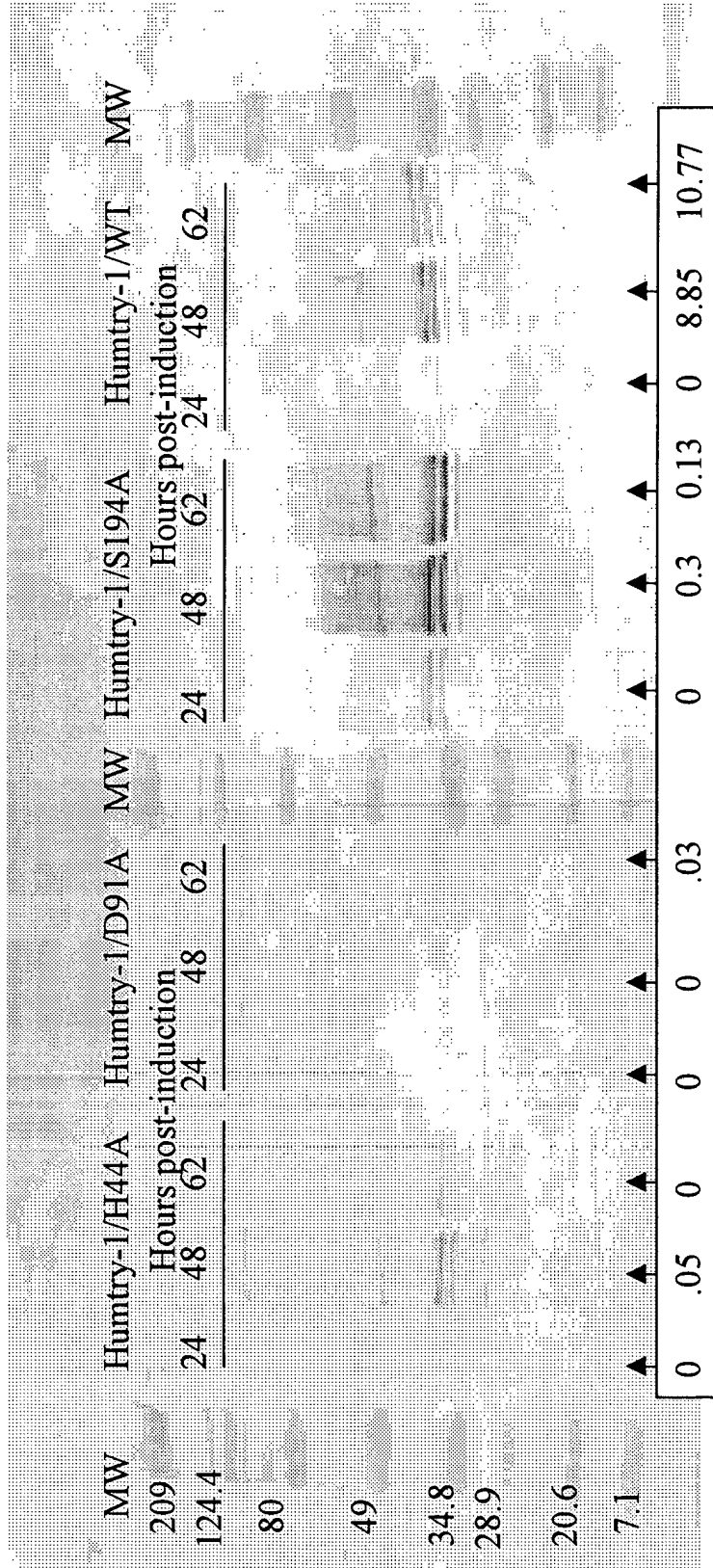


FIG. 4



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FIG. 5



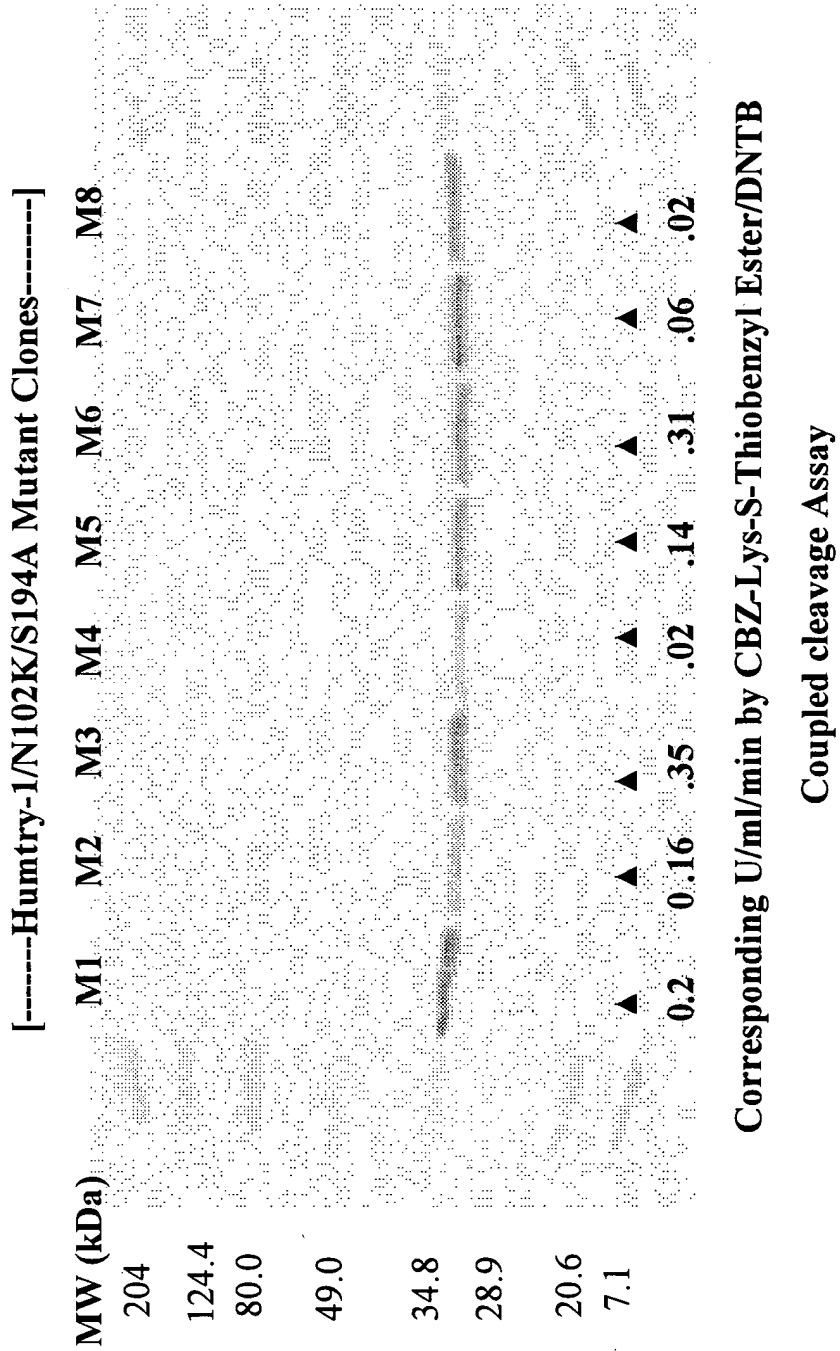
Corresponding Units/ml/min by CBZ-Lys-S-Thiobenzyl Ester/DNTB Coupled Cleavage Assay

0	.05	0	0	0	0	.03	0	0	0	0	0.3	0.13	0	0	0	8.85	10.77
---	-----	---	---	---	---	-----	---	---	---	---	-----	------	---	---	---	------	-------



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**FIG. 6**

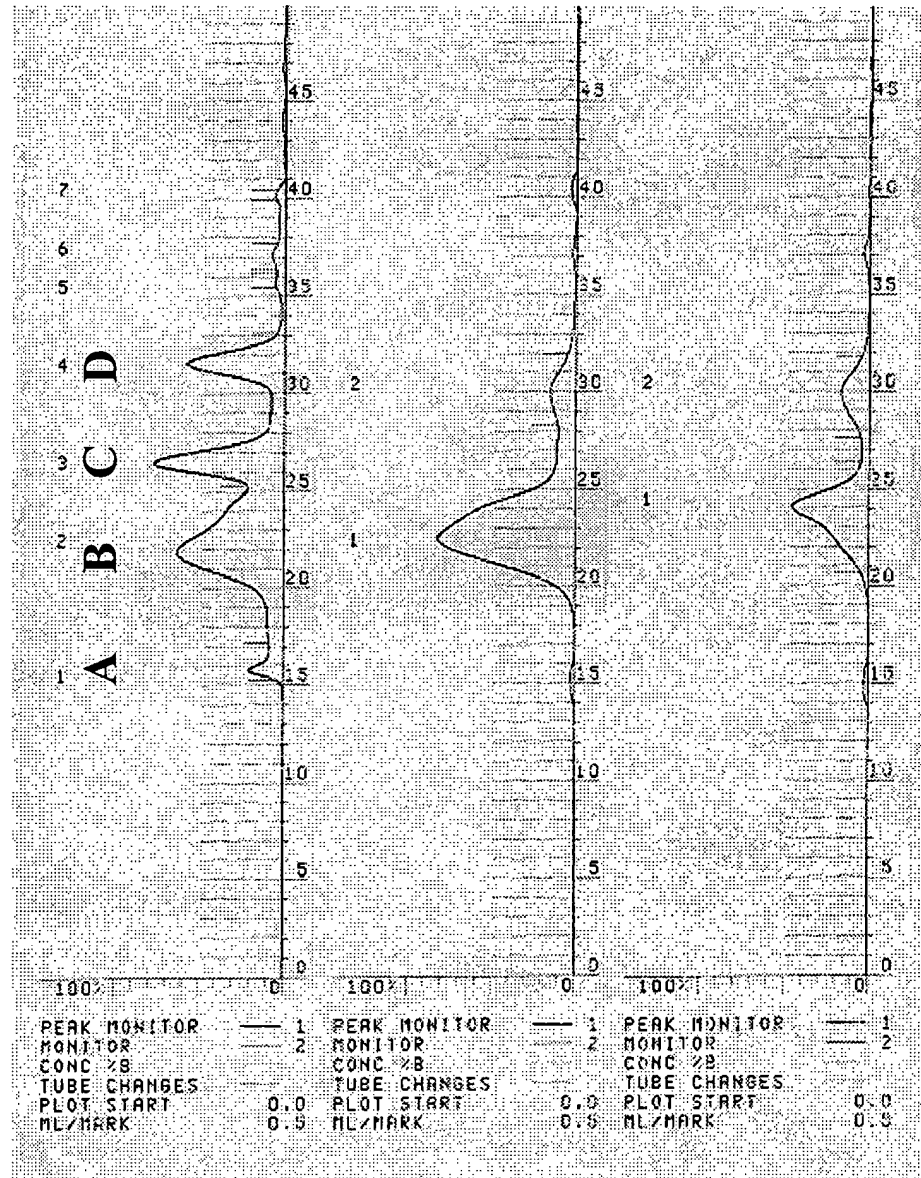




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- A. Ferritin
- B. Aldolase
- C. Albumin
- D. Chymo-  
trypsinogen

**FIG. 7**



**MW STD**

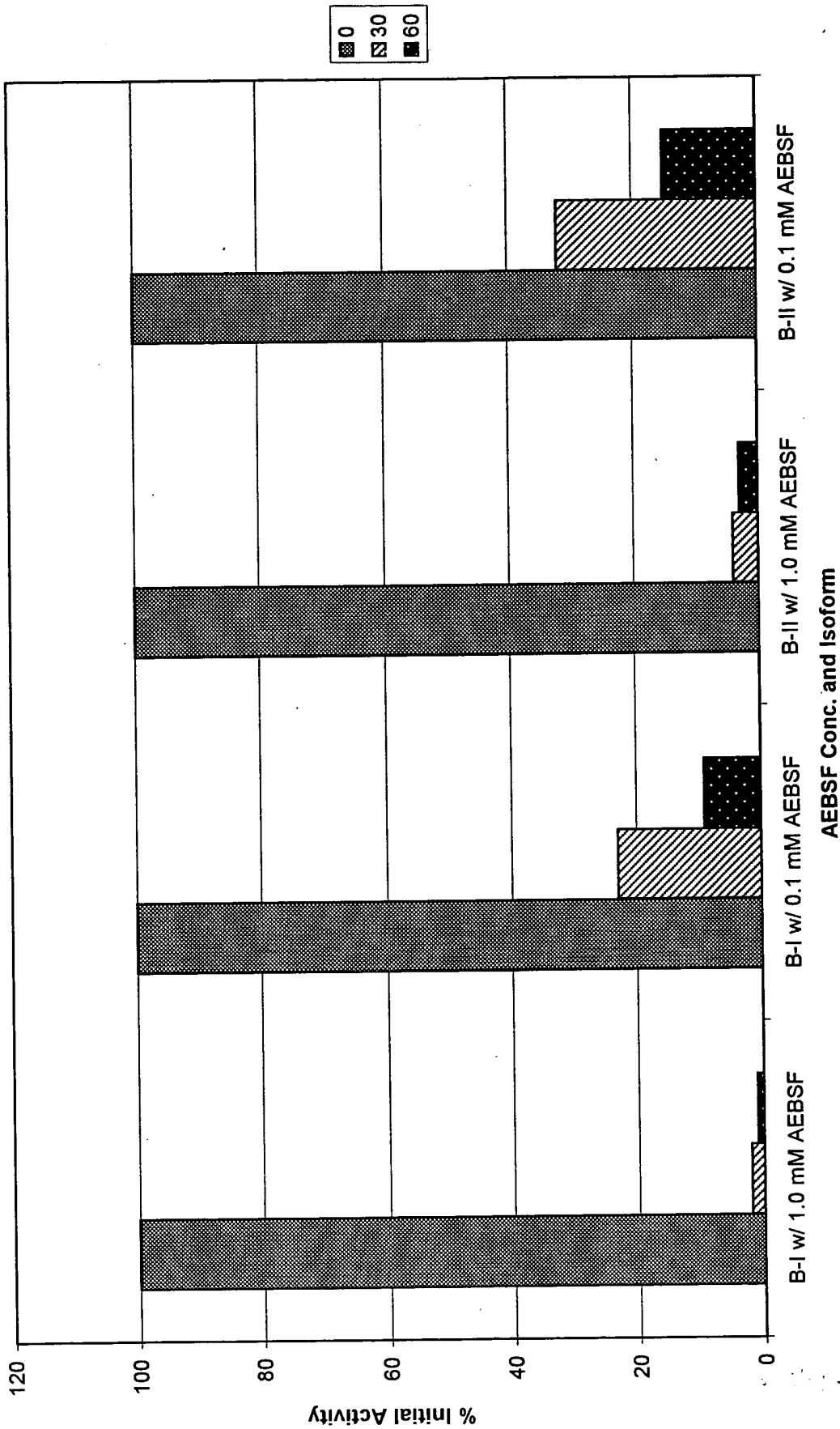
**rh  $\beta$  I  
trypsinase**

**rh  $\beta$  II  
trypsinase**



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FIG. 8







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FIG. 9

